

FIG. 1

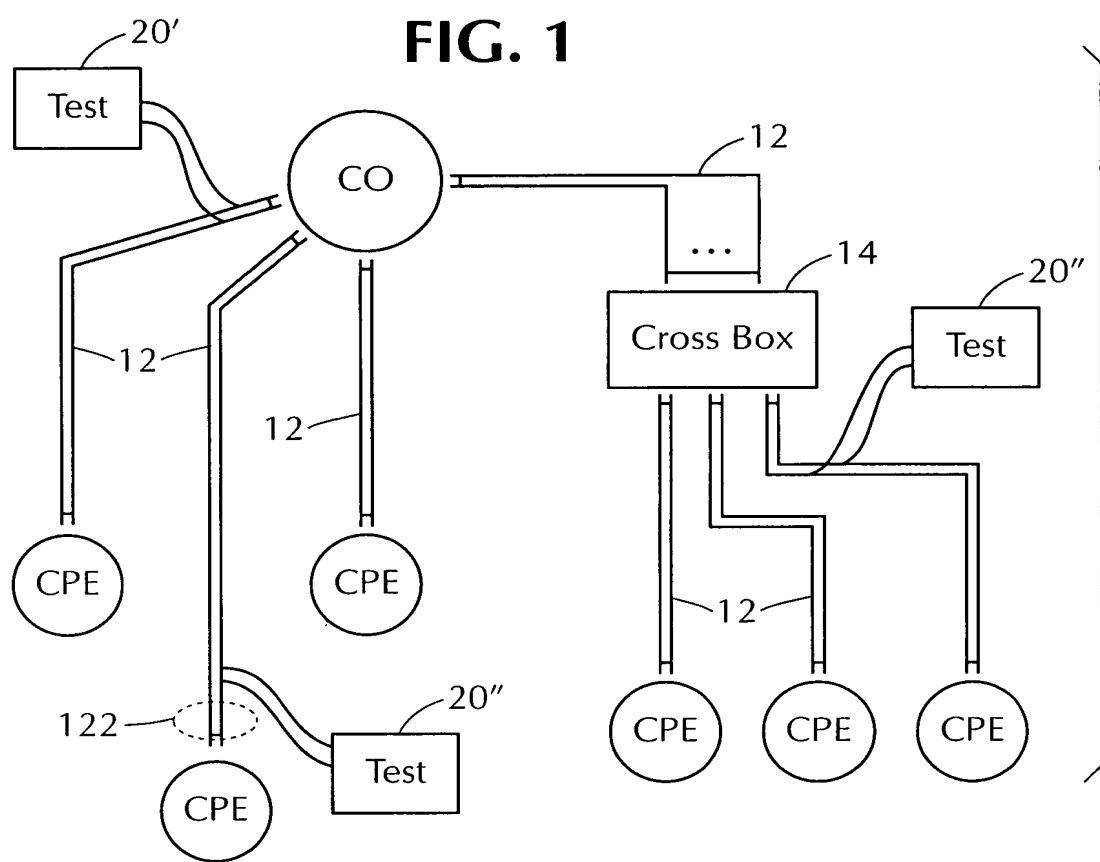


FIG. 2A

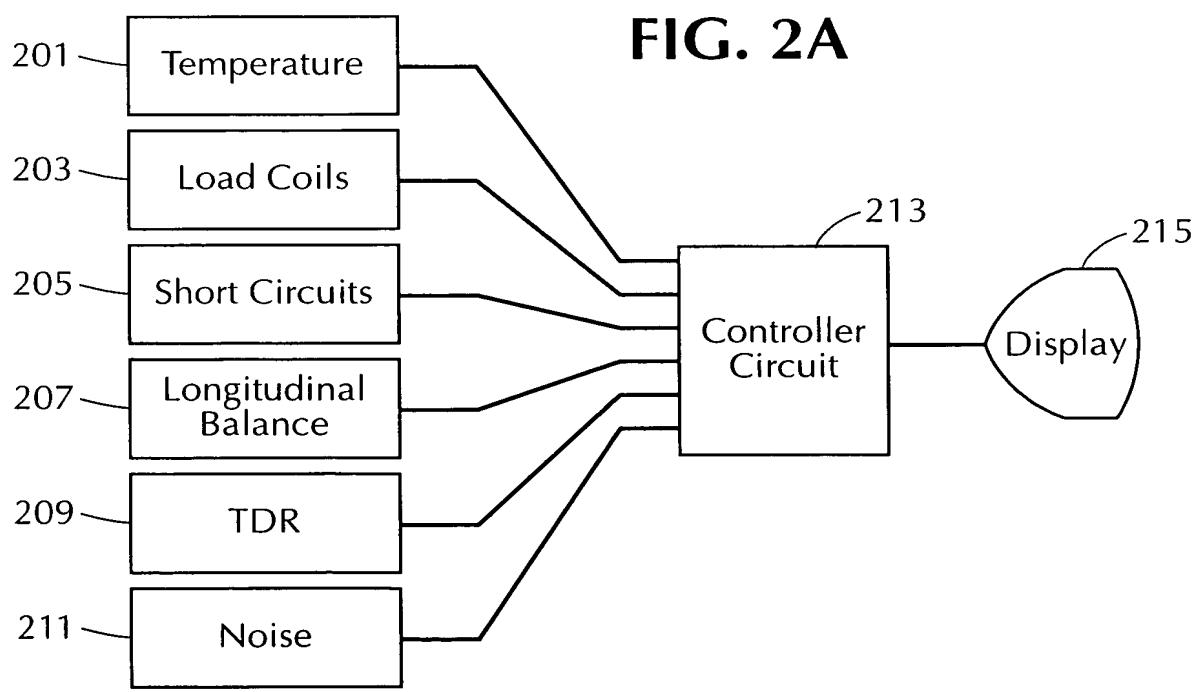


FIG. 2B

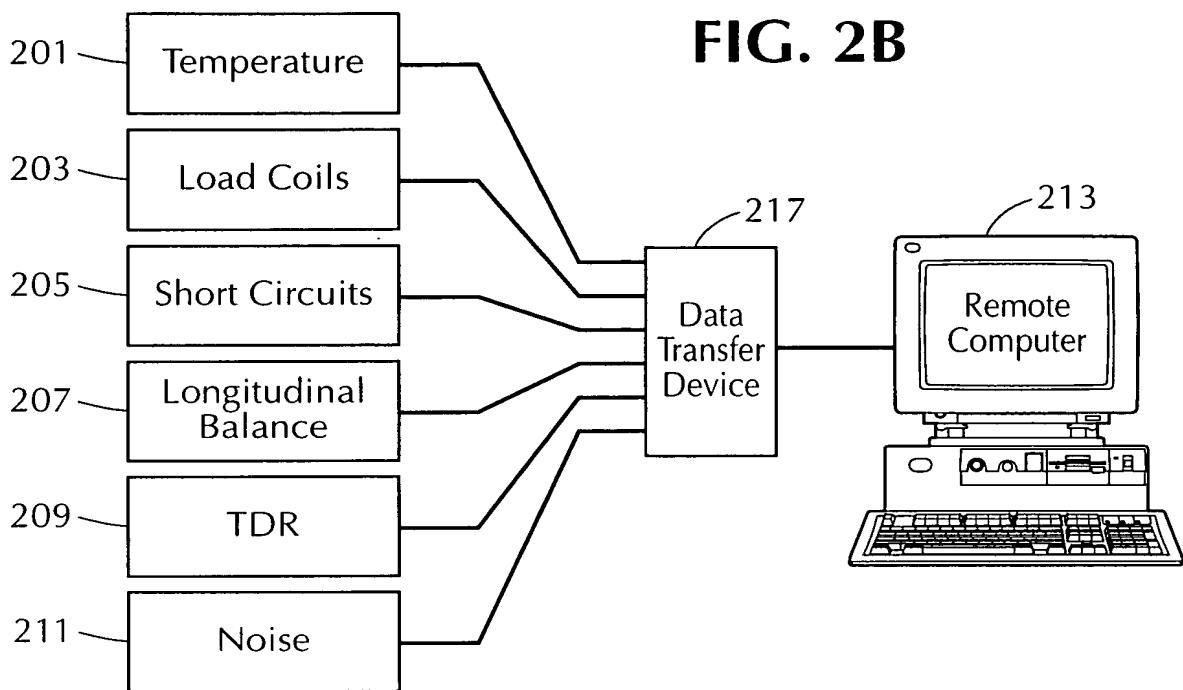


FIG. 2C

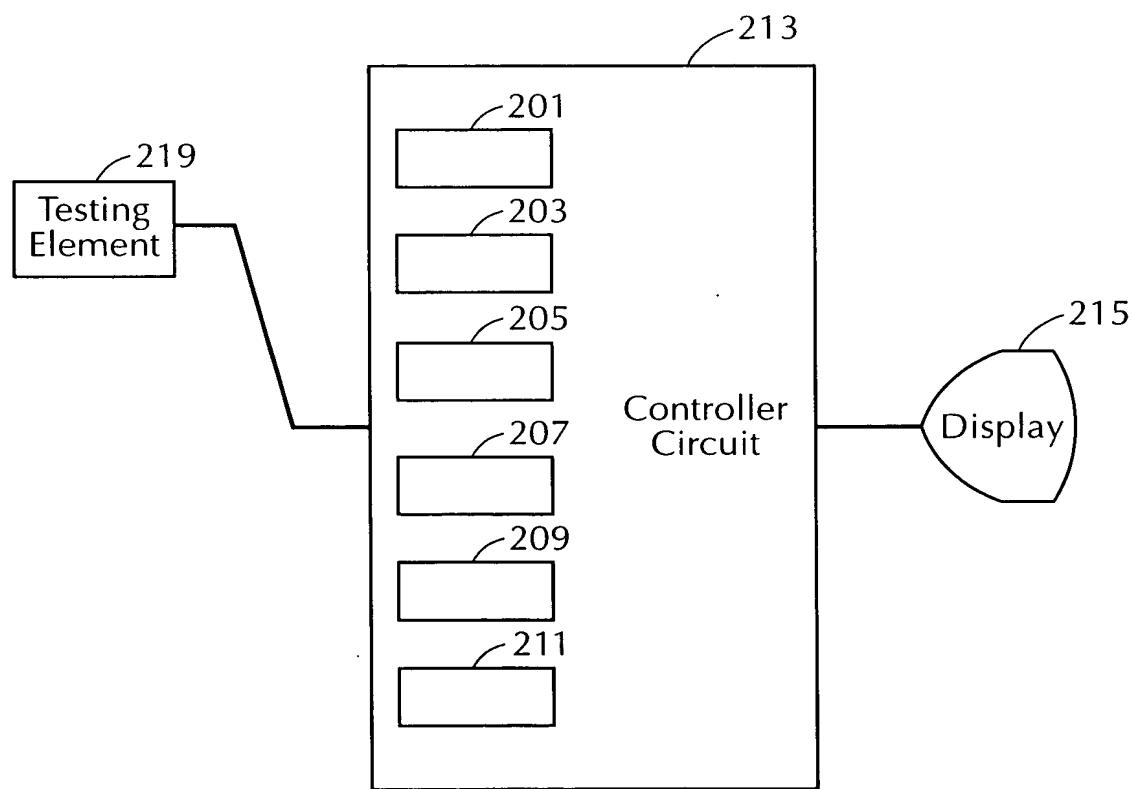


FIG. 3

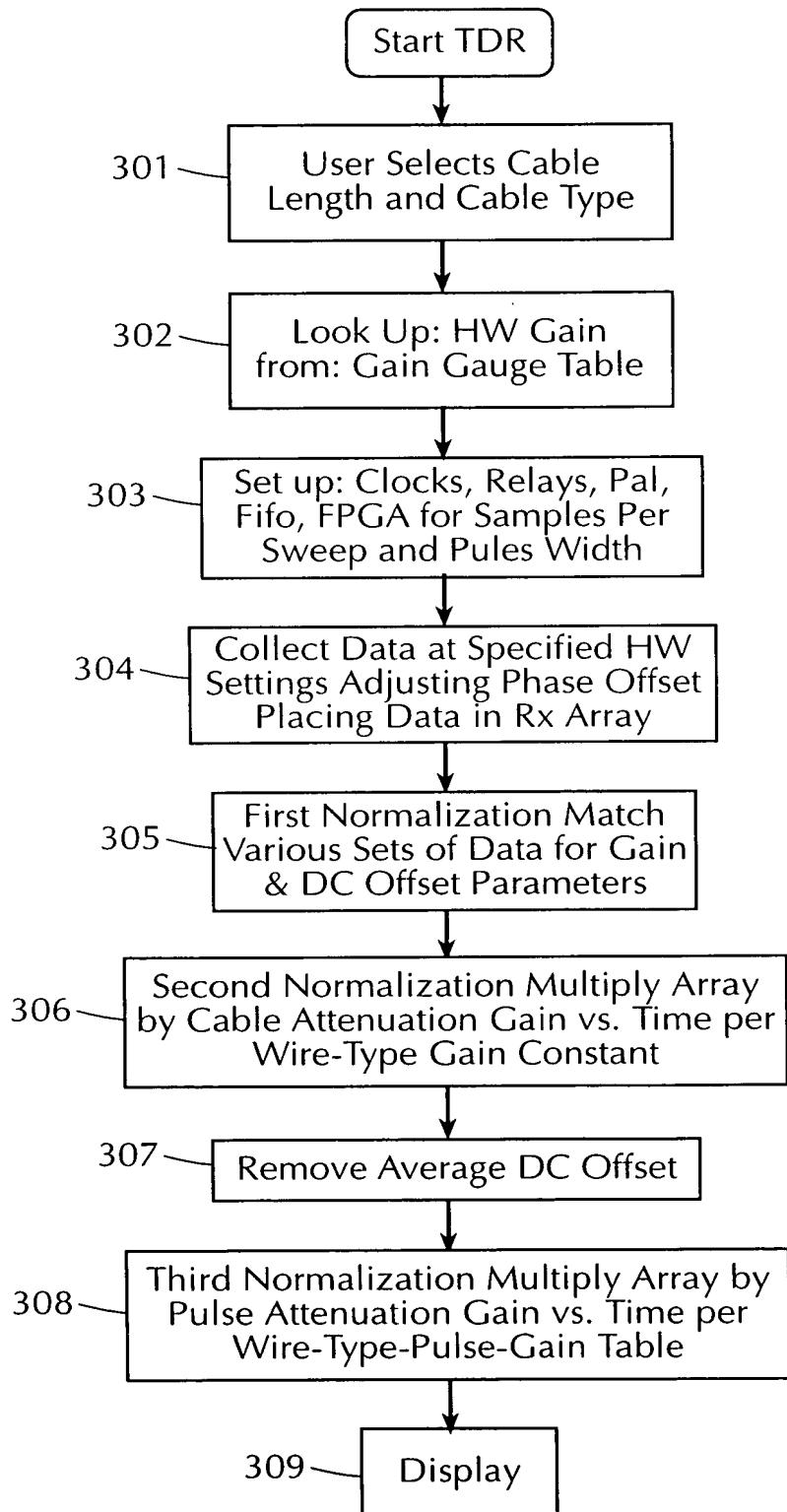


FIG. 4

User Selected Gauge	User Length	PW	Start Length	End Length	1st Segment TDR_HW Gain (dB)	Start Length	End Length	2nd Segment TDR_HW Gain (dB)	Start Length	End Length	3rd Segment TDR_HW Gain (dB)
19AWG	0-6Kft	250ns	0	6,000	0	na	na	na	na	na	na
22AWG	0-6Kft	250ns	0	5,000	0	4,000	6,000	12	na	na	na
24AWG	0-6Kft	250ns	0	4,000	0	3,440	6,000	12	na	na	na
26AWG	0-6Kft	250ns	0	3,000	0	2,400	6,000	12	na	na	na
19AWG	7-9Kft	469ns	0	9,000	0	na	na	na	na	na	na
22AWG	7-9Kft	469ns	0	8,000	0	7,200	9,000	12	na	na	na
24AWG	7-9Kft	469ns	0	6,000	0	5,400	9,000	12	na	na	na
26AWG	7-9Kft	469ns	0	5,000	0	4,500	8,000	12	7,200	9,000	24
19AWG	10-13Kft	1000ns	0	13,000	0	na	na	na	na	na	na
22AWG	10-13Kft	1000ns	0	11,000	0	8,800	13,000	12	na	na	na
24AWG	10-13Kft	1000ns	0	9,000	0	8,100	13,000	12	na	na	na
26AWG	10-13Kft	1000ns	0	7,000	0	6,300	11,000	12	9,900	13,000	24
19AWG	14-18Kft	3000ns	0	18,000	0	na	na	na	na	na	na
22AWG	14-18Kft	3000ns	0	18,000	0	na	na	na	na	na	na
24AWG	14-18Kft	3000ns	0	15,000	0	13,500	18,000	12	na	na	na
26AWG	14-18Kft	3000ns	0	11,000	0	9,900	16,000	12	14,400	18,00	24

FIG. 5A

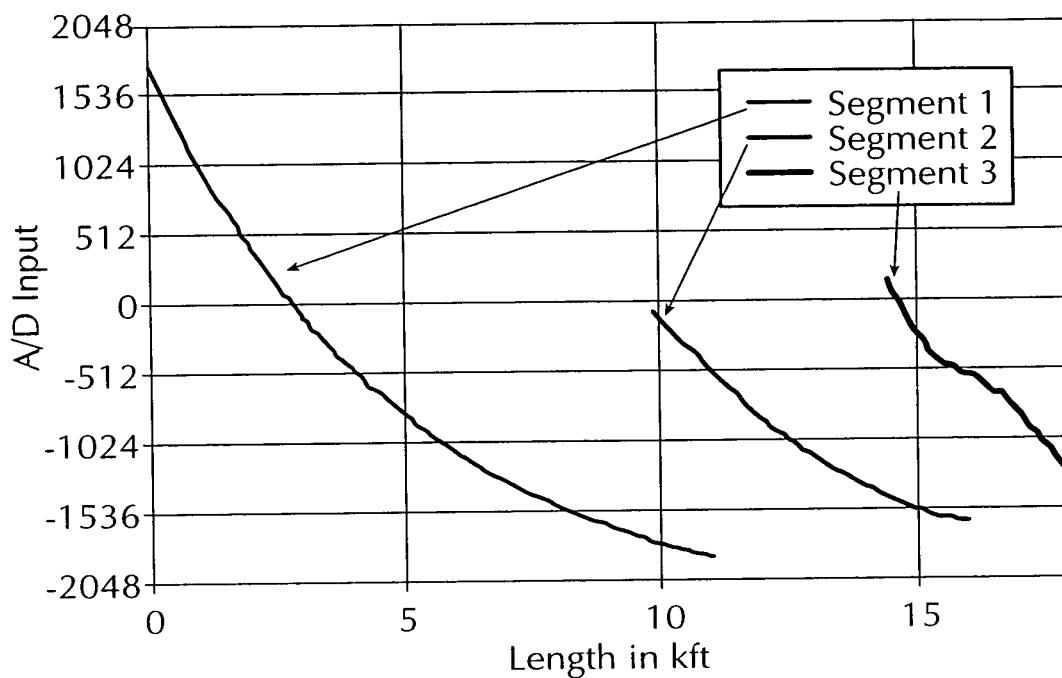


FIG. 5B

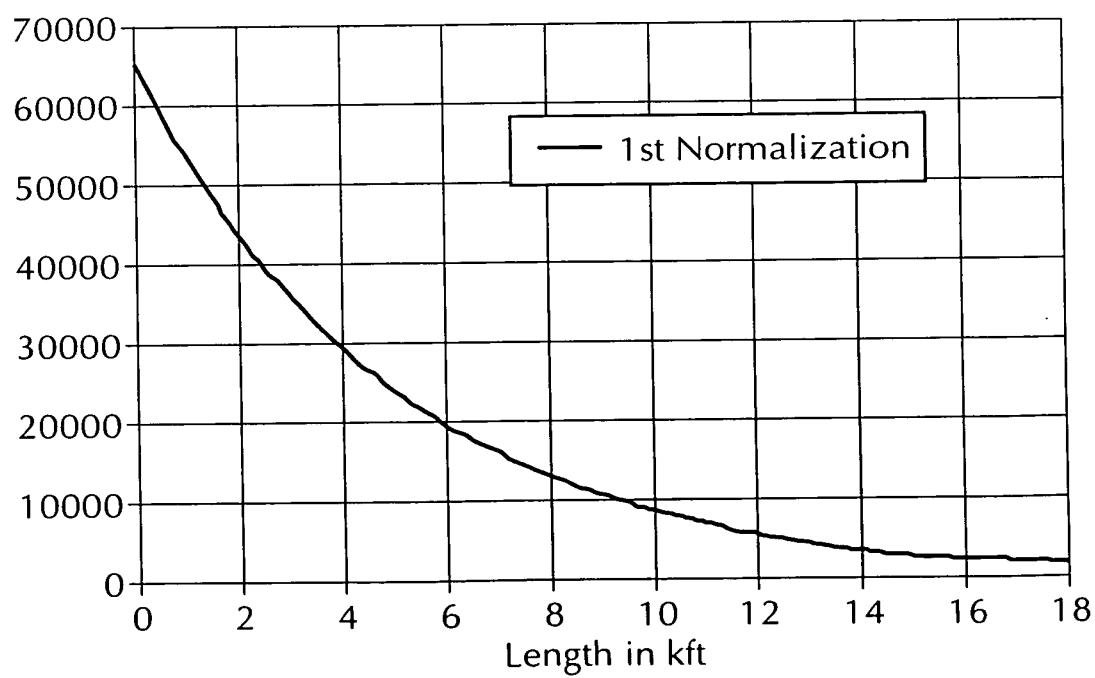


FIG. 6A

Gauge	Kg2@pw =250nS	Kg2@pw =469nS	Kg2@pw =1000nS	Kg2@pw =3000nS
19	9,342	13,270	17,499	20,839
22	7,206	10,196	13,305	15,068
24	6,008	8,503	11,009	12,001
26	4,855	6,858	8,790	8,804

FIG. 6B

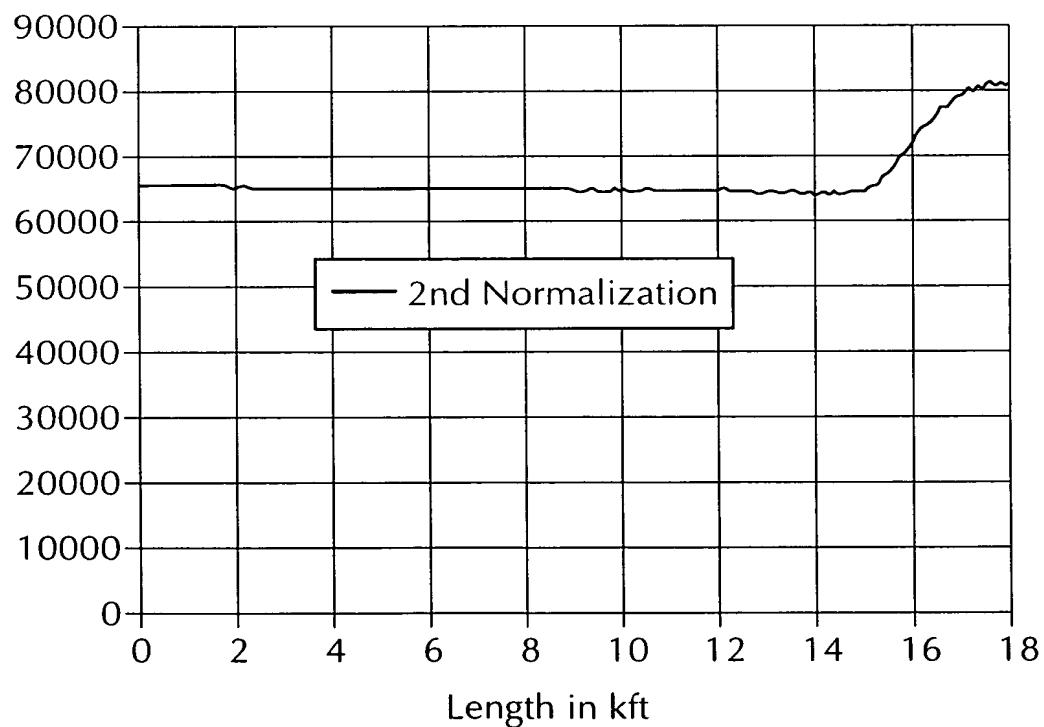


FIG. 7A

Wire Gauge	Offset_2nd_Norm pw=250nS	Offset_2nd_Norm @pw=469nS	Offset_2nd_Norm @pw=1000nS	Offset_2nd_Norm @pw=3000nS
19	50,600	71,877	94,785	112,879
22	39,035	55,229	72,067	81,621
24	32,541	46,057	59,634	65,005
26	26,297	37,147	47,613	47,690

FIG. 7B

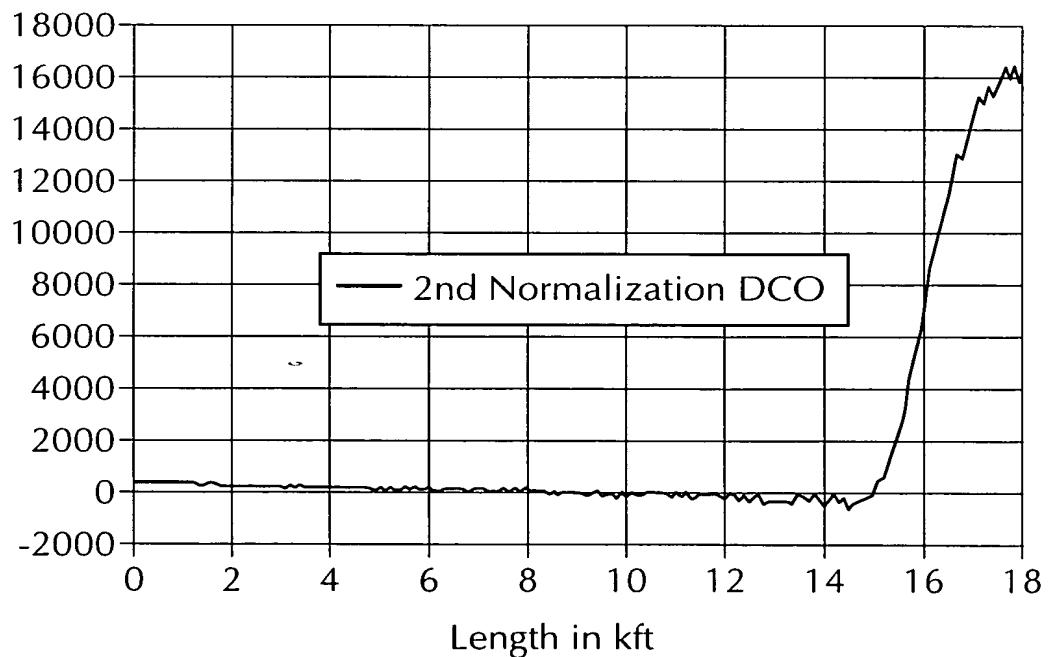


FIG. 8A

Gauge	Kg3@pw =250nS	Kg3@pw =469nS	Kg3@pw =1000nS	Kg3@pw =3000nS
19	6,988	15,605	20,667	48,647
22	5,390	11,991	15,713	35,176
24	4,494	9,999	13,002	28,015
26	3,631	8,065	10,381	20,553

FIG. 8B

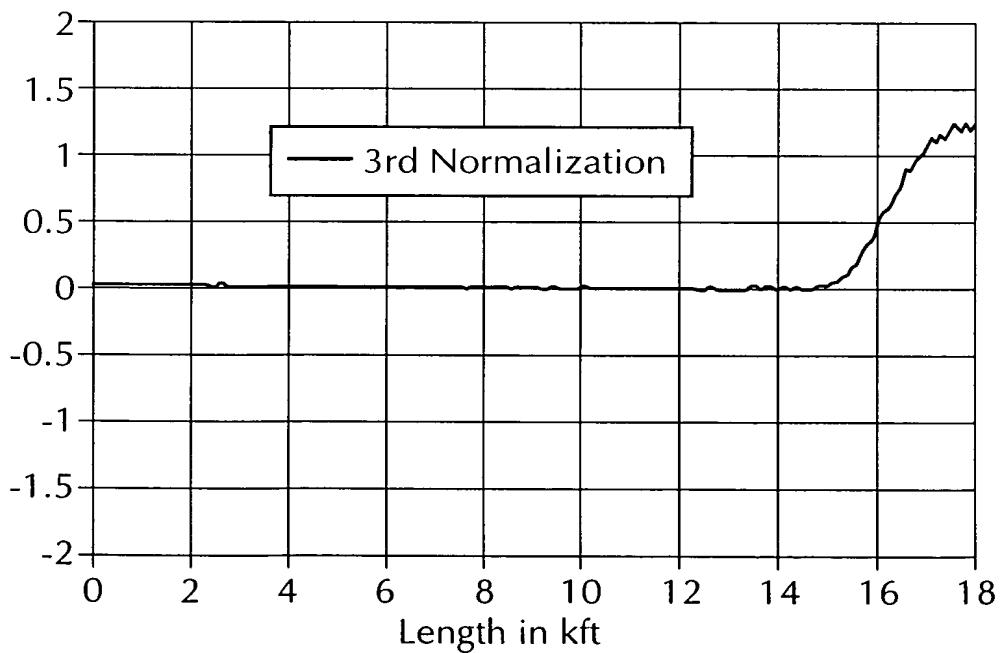


FIG. 9A
Prior Art

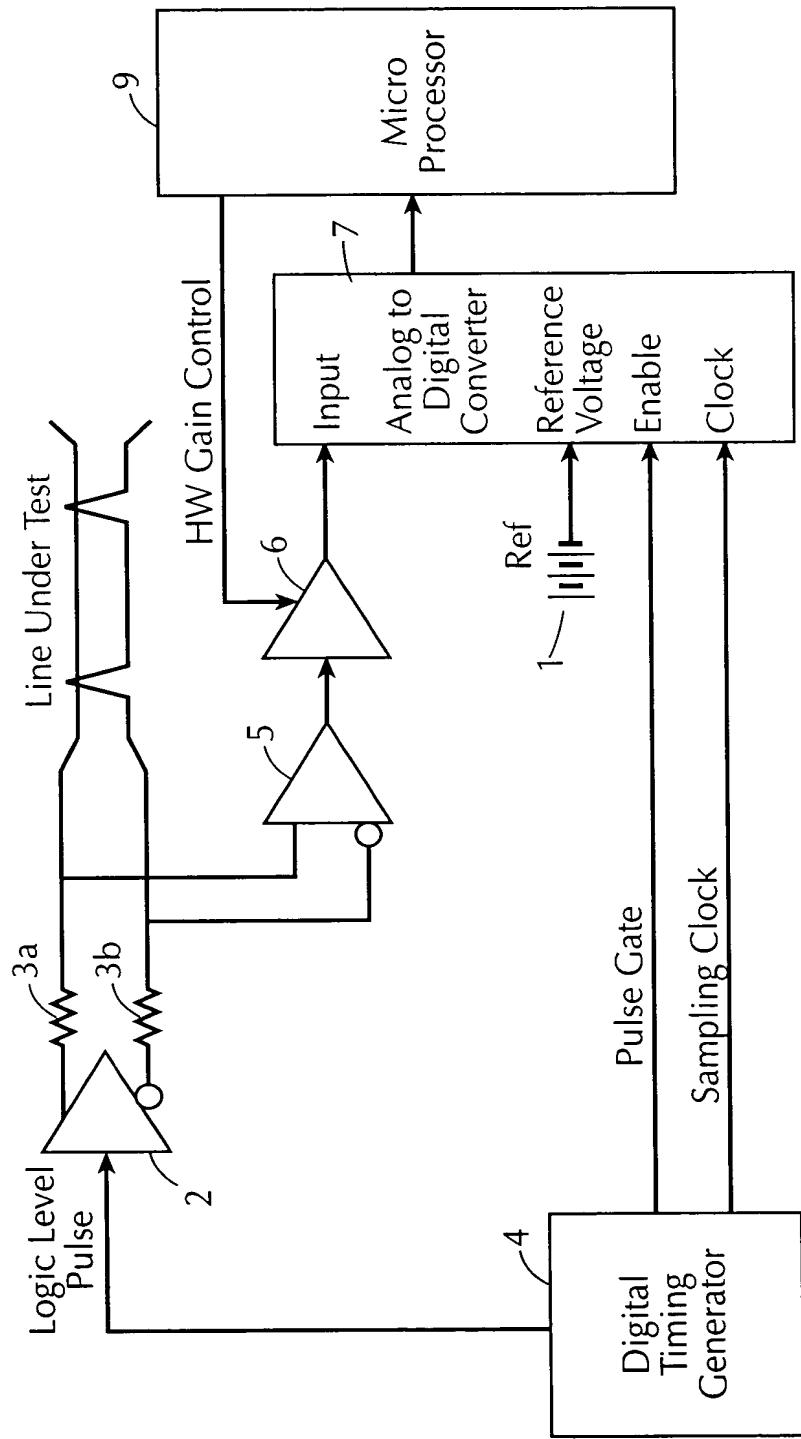


FIG. 9B

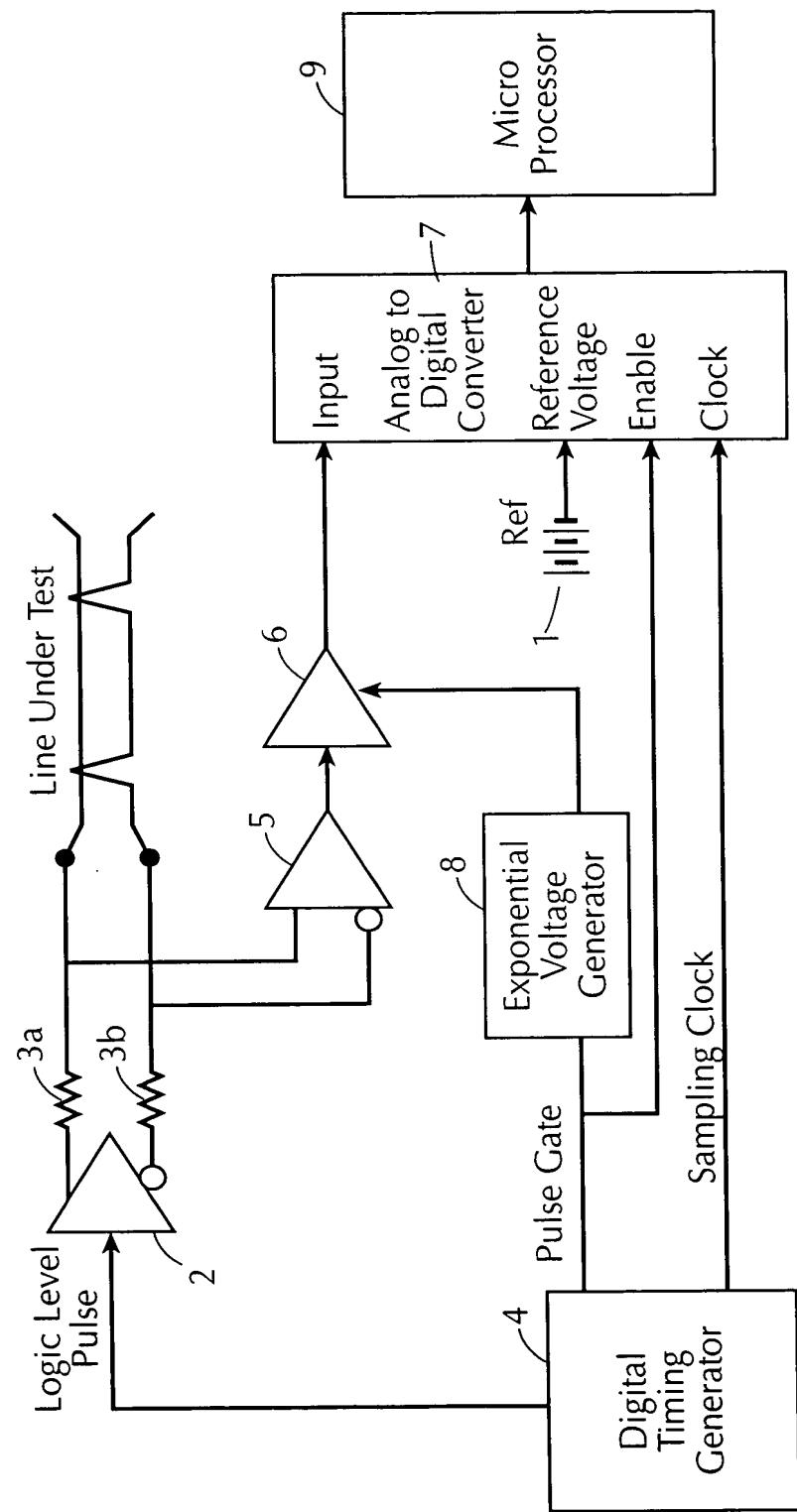


FIG. 9C

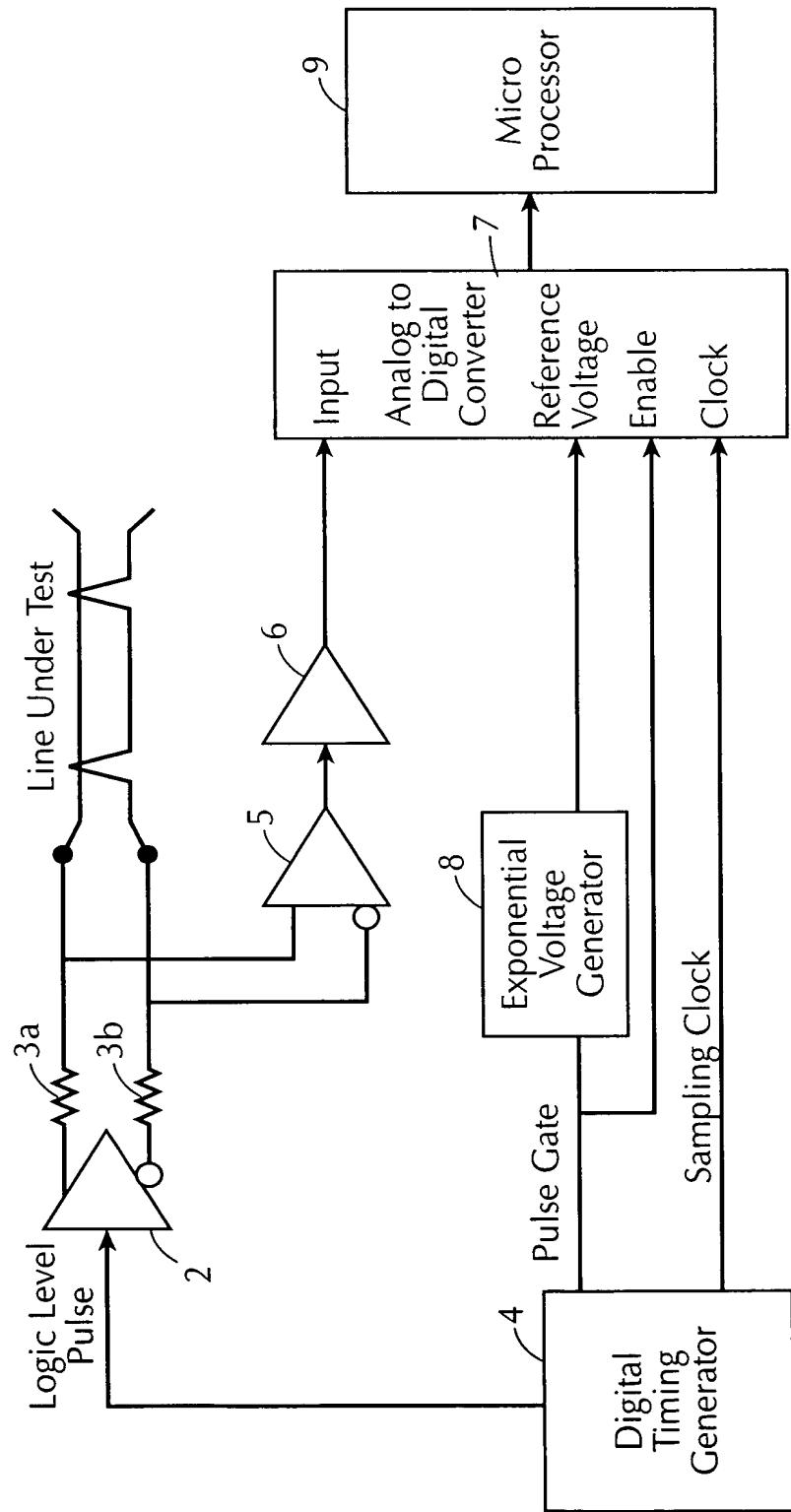


FIG. 9D

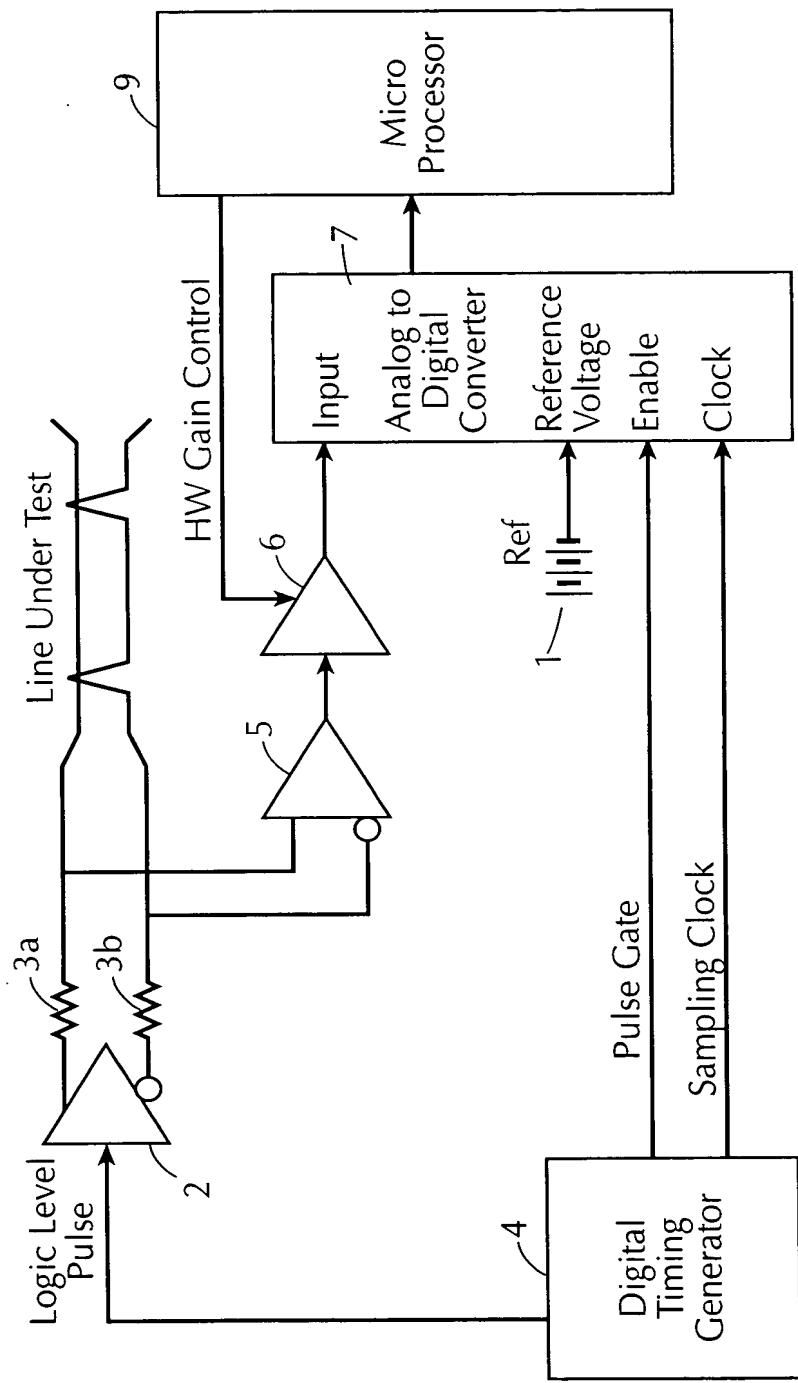


FIG. 10

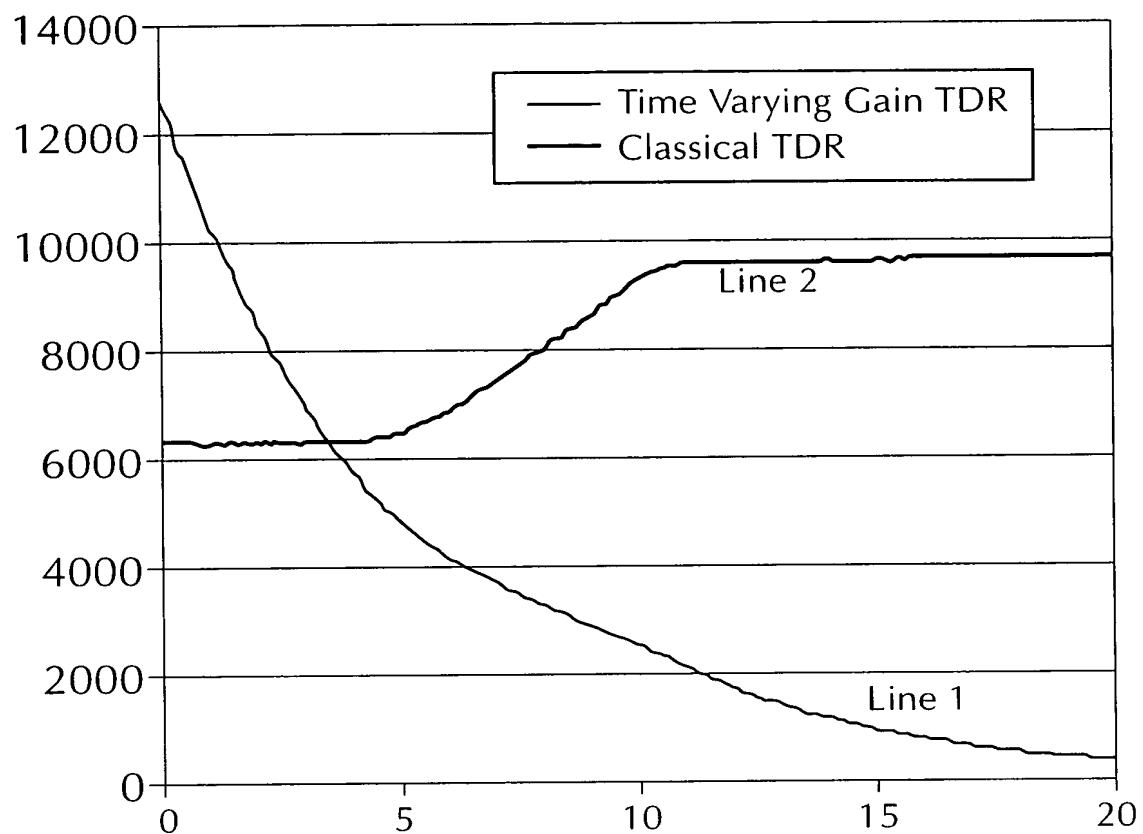


FIG. 11

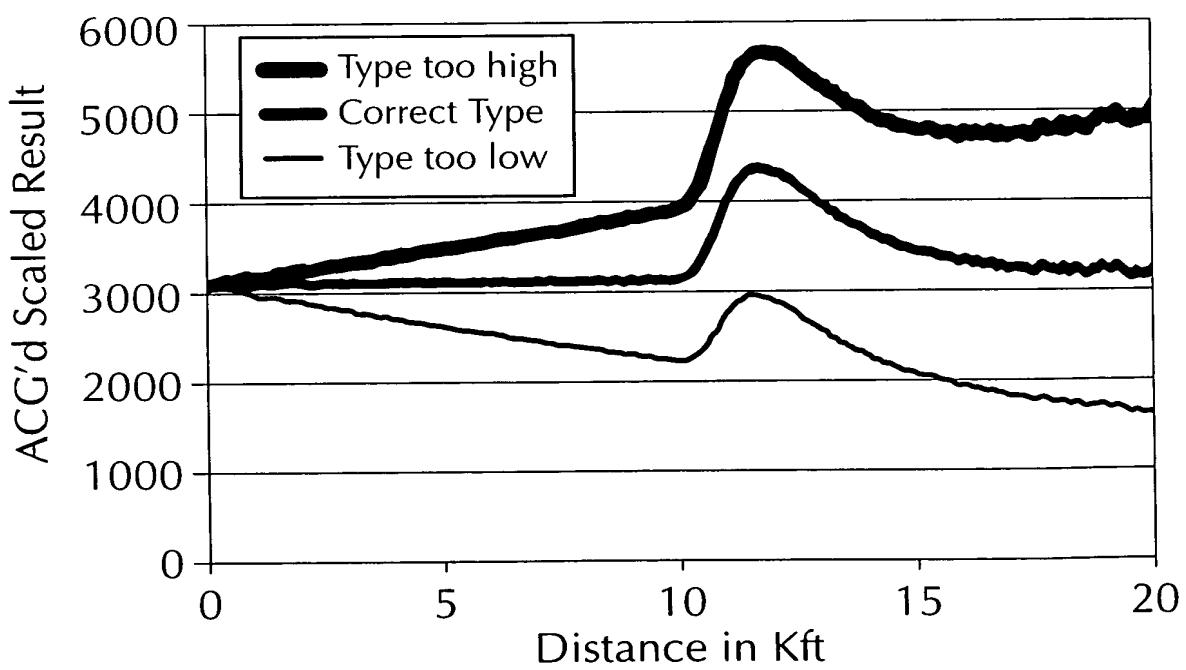


FIG. 12

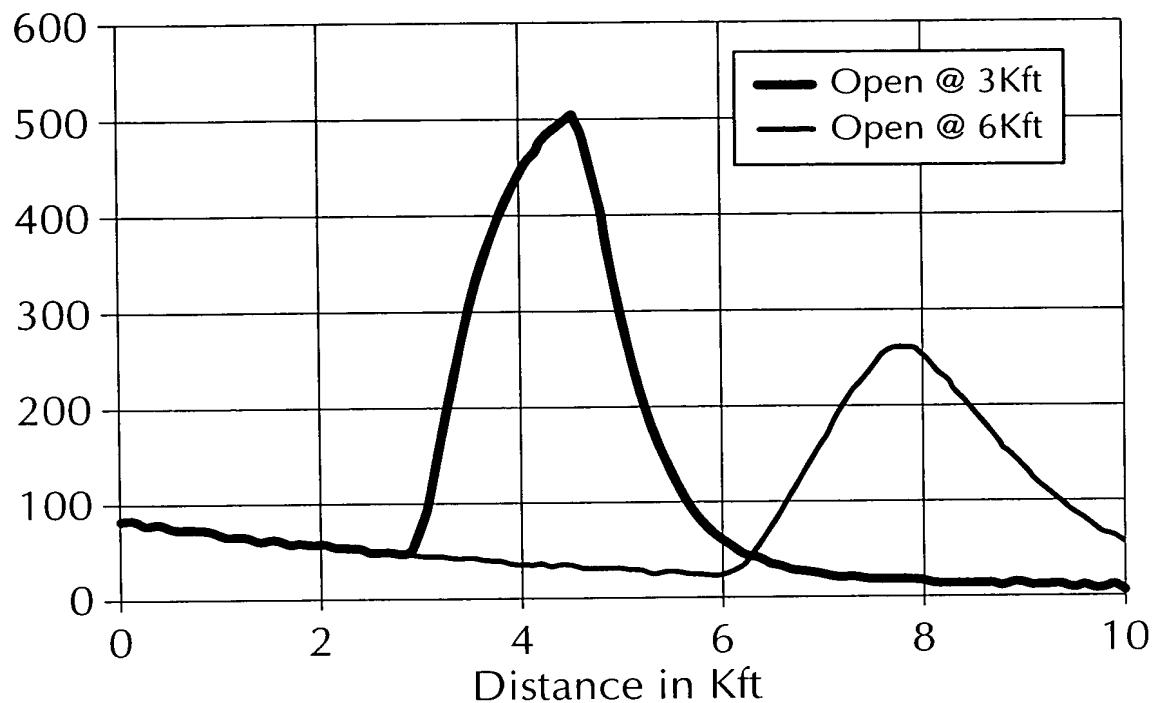


FIG. 13

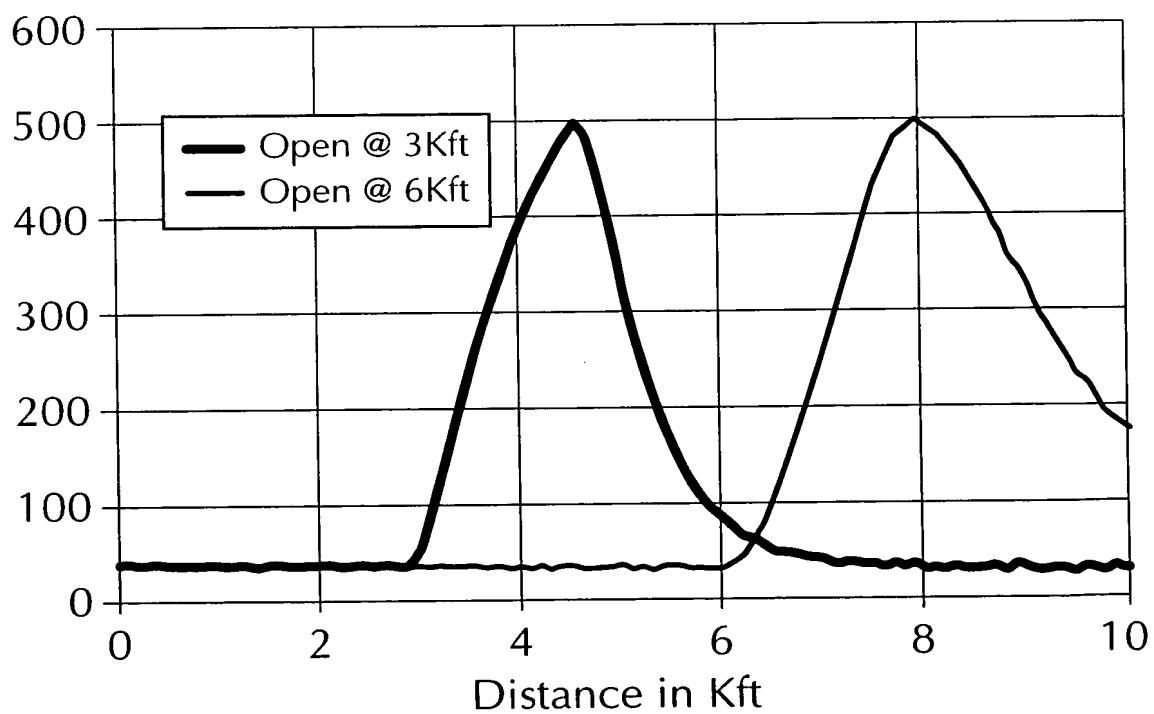


FIG. 14

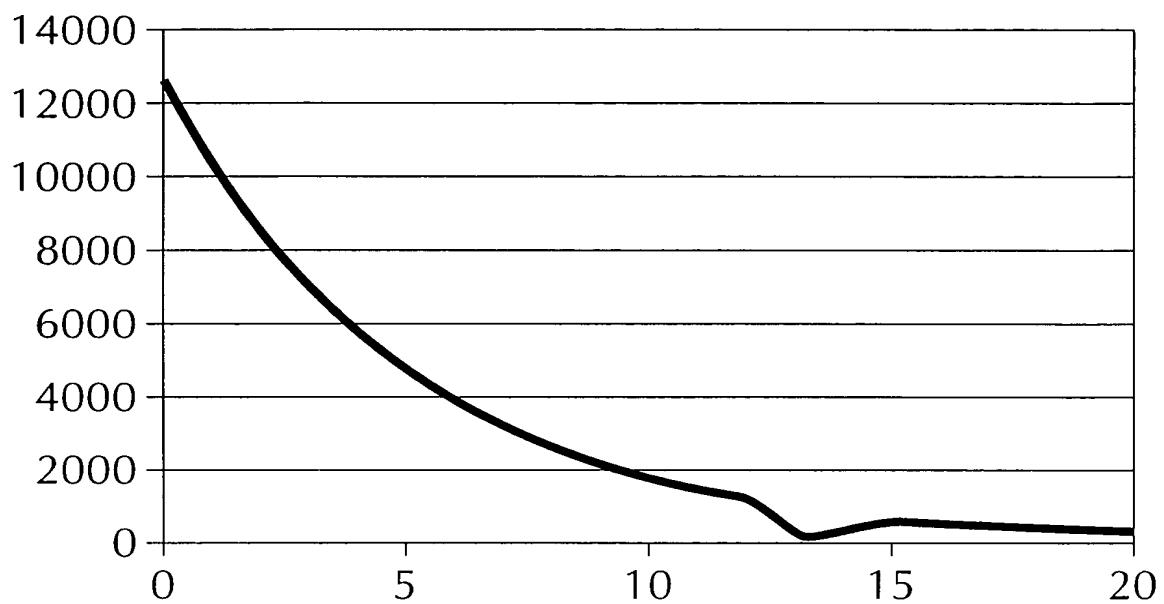


FIG. 15

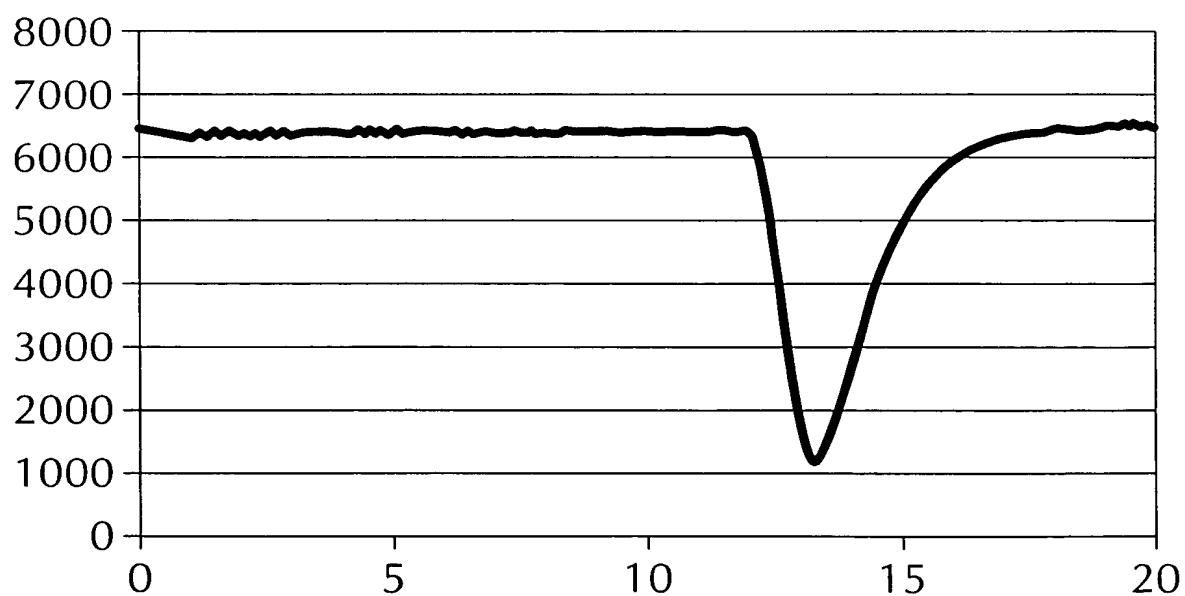


FIG. 16

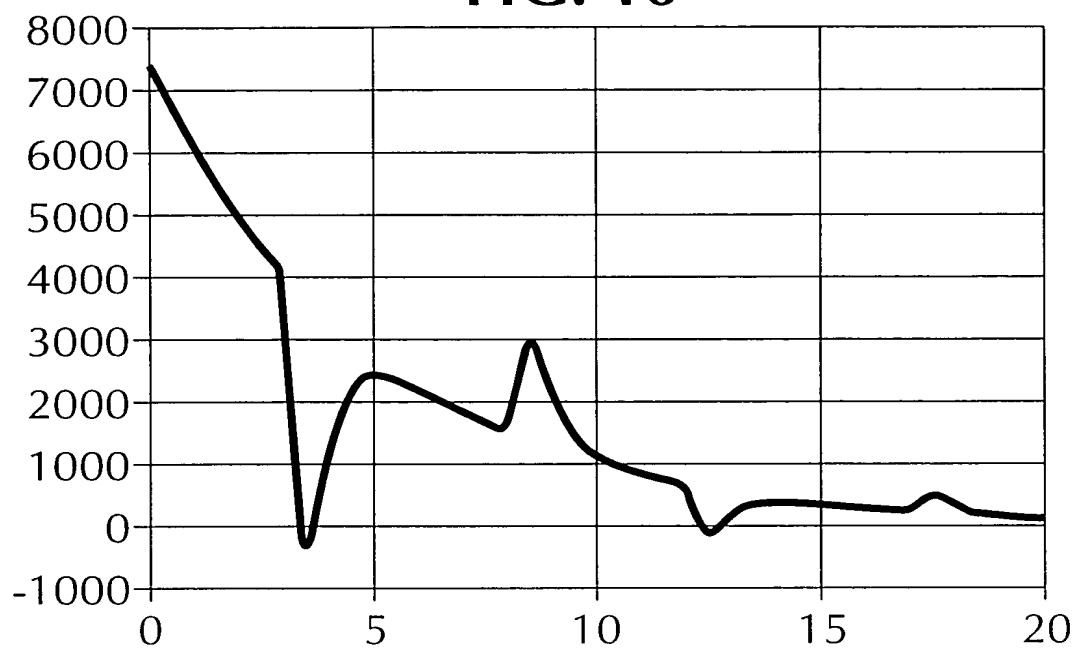


FIG. 17

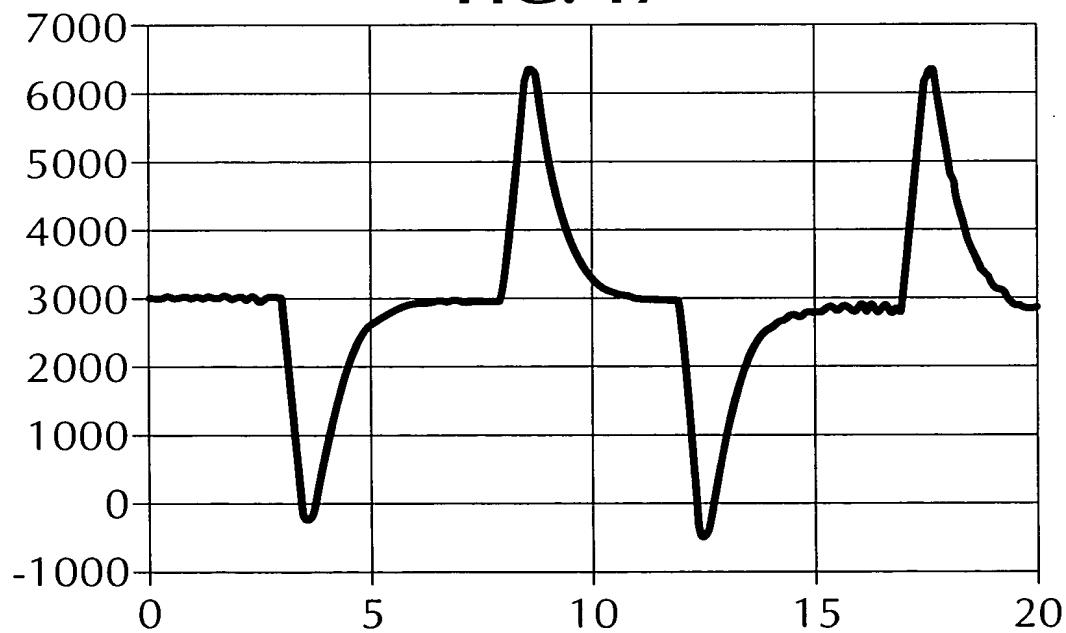


FIG. 18

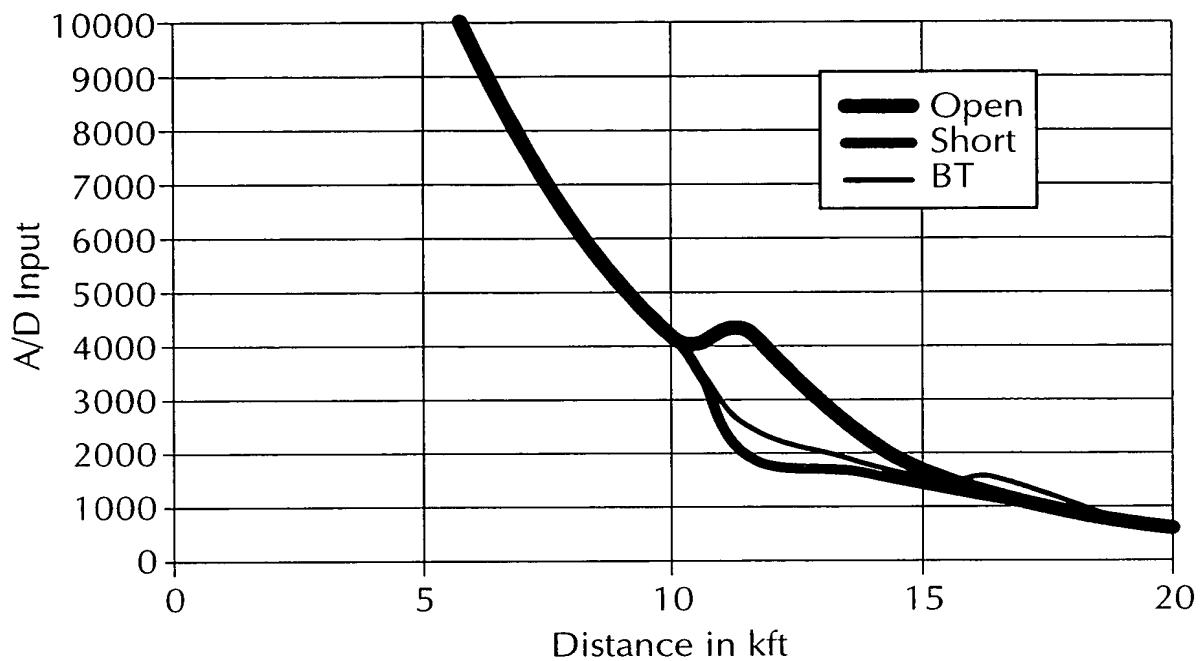


FIG. 19

